

PS
wherein the number of the slots is at least two for each pole and each phase.

3. (Amended) The a.c. generator for the vehicle according to Claim 1,
wherein the stator iron core has a rounded shape or a chamfered shape around opening
edges of the slots on the sides of the end surfaces of the stator iron core.

A3
4. (Amended) The a.c. generator for the vehicle according to Claim 2,
wherein the stator iron core has a rounded shape or a chamfered shape around opening
edges of the slots on the sides of the end surfaces of the stator iron core.

5. (Amended) The a.c. generator for the vehicle according to Claim 1,
wherein the insulative resin is thicker at opening edges of the slots on sides of the end
surfaces of the stator iron core than at center portions of the slots in an axial direction.

6. (Amended) The a.c. generator for the vehicle according to Claim 2,
wherein the insulative resin is thicker at opening edges of the slots on sides of the end
surfaces of the stator iron core than at center portions of the slots in an axial direction.

A4
13. (Amended) The a.c. generator for the vehicle according to Claim 1,
wherein the insulative resin is not broken at a time of inserting the conductor segments
into the slots.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appl. No. 09/879,095 (Q64715)

A4
cond.

14. (Amended) The a.c. generator for the vehicle according to Claim 2,
wherein the insulative resin is not broken at a time of inserting the conductor segments
into the slots.

19. (Amended) A method of producing an a.c. generator for a vehicle comprising
steps of:

forming a stator iron core by laminating annular steel sheets, in which slots are punched
out; and

A5

directing an insulative resin in an axial direction of the stator iron core to coat at least
inner wall surfaces of the slots and end surfaces of the stator iron core with the insulative resin.

20. (Amended) The method of producing the a.c. generator for the vehicle
according to Claim 19,

wherein the coating of the insulative resin is applied by electrostatic powder coating.